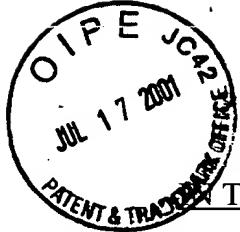


FILE COPY 2729



PATENT
Attorney Docket No.: PHQ-0002 DIV

THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Eric Wachter, et al.

Serial No.: 09/072,962

Filed: May 5, 1998

Examiner:

Art Unit:

For: METHOD FOR IMPROVED SELECTIVITY
IN PHOTOACTIVATION AND
DETECTION OF MOLECULAR
DIAGNOSTIC AGENTS

Commissioner for Patents
Washington, D.C. 20231

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Christine C. Barglik

Date: July 12, 2001

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STATUS INQUIRY - SECOND REQUEST

Gentlemen:

Please advise as to the status of the above-identified patent application.

Enclosed herewith is a copy of the return postcard which we received from the Patent Office on May 11, 1998. The postcard indicates Serial No. 09/072,962, and a filing date of May 5, 1998 was assigned to this application. Also enclosed is the Express Mail Receipt, the Transmittal and the first page of the application, all indicating the filing date of May 5, 1998. Applicants have also filed several other documents in support of this application but have not received any further communications from the Patent Office.

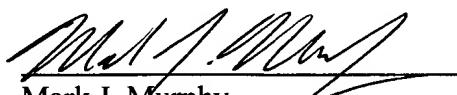
In a telephone conversation with Mrs. Newman of the Office of Initial Patent Examination on May 31, 2000, we were advised that this application was assigned the same serial number (Serial

No. 09/072,962) as Patent No. US 6,096,036. The inventor on this patent is Bowe et al. and the patent indicates a filing date of May 5, 1998. This patent is unrelated to Applicants' application.

Accordingly, the Applicants respectfully requests the current status of the above-identified patent application.

Respectfully submitted,

Dated: July 12, 2001



Mark J. Murphy
Attorney of Record
Registration No. 34,225

COOK, ALEX, McFARRON, MANZO,
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HERETO, ACKNOWLEDGES RECEIPT OF:

(X) Declaration and Power of Attorney
ENCLOSURES:

- (X) Application Divisional patent
(X) Drawing(s) 14 (F) _____ (INF) X
(X) Check \$ 395.00 No: 33154
() Citation Prior Art
() Claim Priority jc541 U.S. PTO
() Extension of Time (duplicate) 09/072962
() Communication to Examiner
(X) Amendment Preliminary A 08/08/96
() Amendment after FINAL Rejection
() PTO Fee Form
() Assignment (X) Appointment of Associate
() Certified copy Attorneys
(X) Revocation of Power of Prior P.O.A. and
() Appt. of new Power of Attorney
(X) Stmt of Status as Small Entity

RE: APPLICATION ATTY/SEC: MJM:s

s Applicant: ERIC WACHTER, et al.

Our File No: PHO-002 DIV S.N. _____

Filed On herewith

For: METHOD FOR IMPROVED SELECTIVITY ...

DATE DUE: _____ DATE SENT: 5-5-98

CASE	PHO-0002DIV; 09/072,962
DKI DATE	8/5/98
FINAL DATE	5/5/99 RECD SENT
SUBJECT	Prior art + foreign filing

CN 5/11/98

PATENT APPLICATION

METHOD FOR IMPROVED SELECTIVITY IN PHOTO-ACTIVATION AND
DETECTION OF MOLECULAR DIAGNOSTIC AGENTS

EI0239

"Express Mail" Mailing Label No. 732794US

Date of Deposit MAY 5, 1998

Inventors: Eric A. Wachter
 138 Bay Path Drive
 Oak Ridge, Tennessee 37830

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 1805 Sun Chase Apartments
 790 North Cedar Bluff Road
 Knoxville, Tennessee 37923

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Name Casindra Himmelstein
(typed or printed)

Signature Casindra Himmelstein

Richard M. Kessler, Esq.
11324 Gates Mill Drive
Knoxville, Tennessee, 37922-1752
(423) 777-0244

Docket No. PHO-0002

* * *

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Date of Deposit October 30, 1996

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Richard M. Kessler
(Typed or printed name of person mailing paper or fee)

R.M. Kessler
(Signature of person mailing paper)

METHOD FOR IMPROVED SELECTIVITY IN PHOTO-ACTIVATION AND DETECTION OF MOLECULAR DIAGNOSTIC AGENTS

This invention was made with Government support under Contract No. DE-AC05-84OR21400 awarded by the U.S. Department of Energy to Lockheed Martin Energy Systems, Inc. Lockheed Martin Energy Systems and the Oak Ridge Associated Universities have waived rights to this invention to the inventors. The Government has rights in this invention pursuant to Contract

5 No. DE-AC05-84OR21400 awarded by the U.S. Department of Energy.

BACKGROUND OF THE INVENTION:

Field of the Invention:

The present invention relates generally to methods and apparatus for remotely effecting spatially-selective photo-activation of one or more molecular agents and for improving the detection 10 of the diagnostic signals thereby produced. The method taught for effecting photo-activation utilizes the special properties of non-linear optical excitation for promoting an agent from one molecular energy level to another with a high degree of spatial and molecular specificity. The special features of this method are applicable for activation of various endogenous and exogenous imaging agents, and in particular afford distinct advantages in the diagnosis of diseases in humans 15 and animals. Specifically, use of non-linear excitation methods facilitate controlled activation of diagnostic agents in deep tissue using near infrared to infrared radiation, which is absorbed and scattered to a lesser extent than methods and radiations currently used. Combination of these non-linear excitation methods with advanced signal encoding and processing methods greatly increases sensitivity in the detection of diagnostic signals.

20

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 WASHINGTON, D.C. 20231
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Bib Data Sheet

CONFIRMATION NO. 7144

SERIAL NUMBER 09/072,963	FILING DATE 05/05/1998 RULE	CLASS 128	GROUP ART UNIT 3737	ATTORNEY DOCKET NO. PHO-0002-DIV
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APPLICANTS

ERIC A. WACHTER, OAK RIDGE, TN;
 WALTER G. FISHER, KNOXVILLE, TN;
 H. CRAIG DEES, KNOXVILLE, TN;

**** CONTINUING DATA *******

THIS APPLICATION IS A DIV OF 08/741,370 10/30/1996 PAT 5,832,931

**** FOREIGN APPLICATIONS *********IF REQUIRED, FOREIGN FILING LICENSE GRANTED ** SMALL ENTITY ******** 05/22/1998**

Foreign Priority claimed	<input type="checkbox"/> yes <input type="checkbox"/> no	STATE OR COUNTRY	SHEETS DRAWING	TOTAL CLAIMS	INDEPENDENT CLAIMS
35 USC 119 (a-d) conditions met	<input type="checkbox"/> yes <input type="checkbox"/> no <input type="checkbox"/> Met after Allowance	TN	13	10	2
Verified and Acknowledged	Examiner's Signature Initials				

ADDRESS

EDWARD D. MANZO
 COOK, MCFARRON & MANZO, LTD.
 200 W. ADAMS ST. STE. 2850
 CHICAGO ,IL 60606

TITLE

METHODS FOR IMPROVED SELECTIVITY IN PHOTO-ACTIVATION AND DETECTION OF MOLECULAR DIAGNOSTIC AGENTS

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